

King County DNRP Water Quality Index

STATION **430** WATER YEAR **2014**

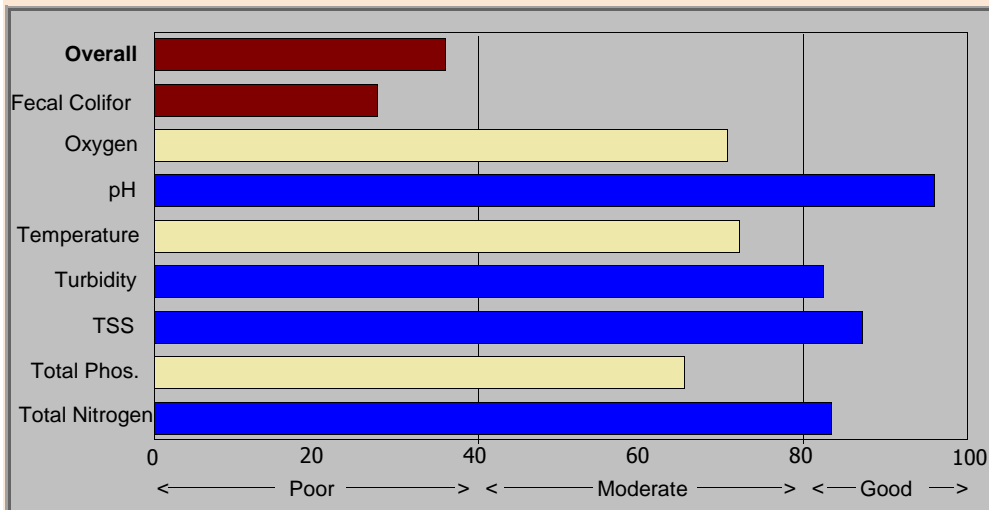
GAUGE # 34a Lyon Creek near Mouth in Lake Forest Park

Overall Index 36

King County has monitored water quality in Lyon Creek at station 0430, located at the bridge inside the Lake Forest Park Civic Club property since 1975. Lyon Creek originates from wetlands in south Snohomish County and flows 3.8 miles through Lake Forest Park, before draining into the northwest corner of Lake Washington. The basin encompasses 2,600 acres. Land use in the basin is roughly fifty percent residential and fifty percent commercial. Much of the watershed was developed in the late 1970s. During the conversion in land use virtually no stormwater retention/detention facilities were constructed to mitigate the effects of greater basin wide total impervious area on the stream system. Lyon Creek is on the 2012 Washington Department of Ecology's 303(d) list for violation of dissolved oxygen and bacteria standards.

Annual Water Quality Index Scores

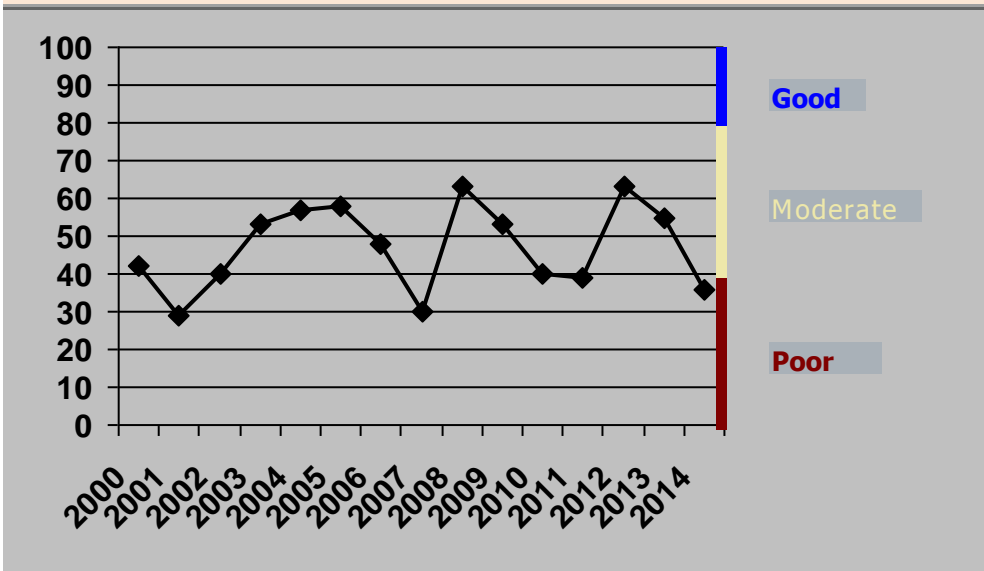
Water quality was POOR based on data collected 10/1/2013 to 9/30/2014.



Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
80	79	73	95	90	57	84	76	71	51	1	70

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>